

### General

Foam Induction system designed for the Prima pump range, known as RTP Foam Proportioning System. Main castings in aluminium or bronze according to main pump material. Performance range – capable of inducing 1% Class A, or 3%/6% Class B foam compound into the pump water discharge between 200 to 4000 l/min.

### Special note:

When preparing the specifications for your new fire apparatus, assure that the use of a GODIVA RTP foam proportioning system by incorporating these specifications as written. No competitive pump can match GODIVA construction or performance.

### RTP Foam Proportioning System

1. The system shall be externally fitted to a Godiva Prima pump and be capable of inducing up to 240 l/min of Class A (at 1%) or Class B (at 3% or 6%) foam compound, into the pump water flow independent of the water flow rate (between 200 and 4000 l/min).
2. The system shall be compact and self-contained and mounted on the pump suction and discharge manifold.
3. The system and the pump shall be manufactured and dynamometer tested at the pump manufacturer's factory.
4. The main system castings shall be made of BS approved aluminum alloy (BS1490 LM25 TF and LM6) and hard anodized to resist wear, compatible with the main pump the system it is attached to. In the case of a bronze Prima pump the RTP castings will be made of BS approved gunmetal (BS1400 LG2C).
5. The system shall be suitable for all commercially available Protein, Fluoroprotein and Aqueous Film-Forming Foam (AFFF) compounds, but excluding non-Newtonian types.
6. The system shall be based on the Godiva "round the pump" foam induction design and incorporating an additional device that maintains the relationship between water flow and foam percentage selected.
7. The system shall be suitable for use when the pump is operating from a vehicle tank, open water or, with some constraints, a pressure fed source.
8. Foam compound shall be supplied to the inductor from either a free-standing or vehicle-mounted tank.
9. The system shall be simple to operate – selecting the required foam percentage by opening the ball valve on the foam supply lines and then opening the driving water valve to induct the foam.
10. The system will operate satisfactorily with a pump discharge pressure between 6 -15 bar.
11. The system will maintain the foam to water ratio between these parameters, +/- 20% between 200 to 400 l/min of water flow rate, and +/- 10% for flows between 400 and 4000 l/min